

**10/575843**  
**IAP20 Rec'd PCT/PTO 13 APR 2006**

Docket No.: 12810-00235-US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

In re Patent Application of:  
Martin Volland et al.

Application No.: National Phase of  
PCT/EP2004/011530

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: METHOD FOR THE CONTINUOUS  
PRODUCTION OF ALDEHYDES

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

10/575843

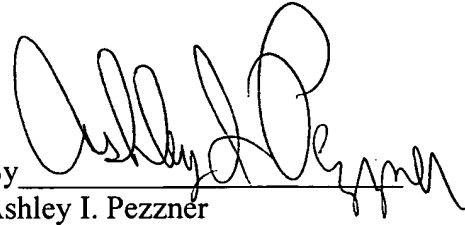
Application No.: National Phase of PCT/EP2004/011530

Docket No.: 12810-00235-US

1AP20 Rec'd PCT/PTO 13 APR 2006

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 12810-00235-US.

Respectfully submitted,



By

Ashley I. Pezzner

Registration No.: 35,646  
CONNOLLY BOVE LODGE & HUTZ LLP  
1007 North Orange Street  
P.O. Box 2207  
Wilmington, Delaware 19899  
(302) 658-9141  
(302) 658-5614 (Fax)  
Attorney for Applicant

457655

Substitute for form 1449A/B/PTO			<b>Complete if Known</b> Application Number <b>10/575843</b> Filing Date <b>Not Yet Assigned</b> First Named Inventor <b>Concurrently Herewith</b> Art Unit <b>Martin Volland</b> Examiner Name <b>N/A</b> Attorney Docket Number <b>Not Yet Assigned</b> <b>12810-00235-US</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				
Sheet	1	of	2	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-3,527,809	09-08-1970	Pruett et al.	
	AB*	US-4,148,830	04-10-1979	Pruett et al.	
	AC*	US-4,599,206	07-08-1986	Billig et al.	
	AD*	US-4,668,651	05-26-1987	Billig et al.	
	AE*	US-4,716,250	12-29-1987	Abatjoglou et al.	
	AF*	US-4,769,498	09-06-1988	Billig et al.	
	AG*	US-4,778,929	10-18-1988	Zehner et al.	
	AH*	US-4,885,401	12-05-1989	Billig et al.	
	AI*	US-5,728,893	03-17-1998	Becker et al.	
	AJ*	US-5,744,650	04-28-1998	Nicholson et al.	
	AK*	US-5,808,168	09-15-1998	Bahrmann et al.	
	AL*	US-5,849,972	12-15-1998	Vicari et al.	
	AM*	US-5,874,639	02-23-1999	Nicholson et al.	
	AN*	US-6,100,432	08-08-2000	Borgel et al.	
	AO*	US-6,342,605	01-29-2002	Geissler et al.	
	AP*	US-6,538,168	03-25-2003	Schwab et al.	
	AQ*	US-6,580,009	06-17-2003	Schwab et al.	
	AR*	US-6,642,420	11-04-2003	Zehner et al.	
	AS*	US-6,727,391	04-27-2004	Walczuch et al.	
	AT*	US-6,737,555	05-18-2004	Maas et al.	
	AU*	US-2004/0110960	06-10-2004	Ahlers et al.	
	AV*	US-6,977,312	12-20-2005	Ahlers et al.	
	AW*	US-7,015,361	03-21-2006	Zehner et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		EP-0 188 426	04-11-1985	HB-Consult Rådgivande Ingenjörer AB		See WO-85/01567
	BA	WO-85/01567	04-11-1985	HB-Consult Rådgivande Ingenjörer AB		
	BB	EP-0 155 508	09-25-1985	Union Carbide Corporation		
	BC	EP-0 213 369	03-11-1987	Roth GmbH		See Abstract
	BD	WO-97/20801	06-12-1987	Union Carbide Chemicals & Plastics Technology Corporation		See US 5,744,650
	BE	EP-0 423 769	04-24-1991	Mitsubishi Kasei Corporation		
	BF	WO-98/19985	05-14-1998	E. I. duPont de Nemours and Company		
	BG	WO-98/52632	11-26-1998	Bioject, Inc.		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

Substitute for form 1449A/B/PTO				<del>Complete if Known</del> <b>80/575843</b> <del>Not Yet Assigned</del>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	80/575843
				Filing Date	Concurrently Herewith
				First Named Inventor	Martin Volland
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	12810-00235-US

	BH	WO-99/50214	10-07-1999	The Research Foundation of State University of New York et al.		
	BI	WO-99/52632	10-21-1999	E.I. du Pont de Nemours and Company		
	BJ	EP-0 982 314	03-01-2000	Celanese Chemicals Europe GmbH		See US 6,342,605
	BK	JP-2000-143572	05-23-2000	Mitsubishi Chem Corp		See Abstract (DW2000-0407092)
	BL	EP-1 008 580	06-14-2000	Mitsubishi Chemical Corporation		
	BM	WO-00/53546	09-14-2000	BASF Aktiengesellschaft		
	BN	EP-1 069 101	01-17-2001	BASF Aktiengesellschaft		See US 6,538,168
	BO	EP-1 114 017	07-11-2001	BASF Aktiengesellschaft		See 6,642,420
	BP	WO-01/58844	08-16-2001	BASF Aktiengesellschaft		See US 6,727,391
	BQ	WO-01/58589	08-16-2001	BASF Aktiengesellschaft		See US 6,977,312
	BR	EP-1 134 271	09-19-2001	BASF Aktiengesellschaft		See US 6,580,009
	BS	EP-1 231 198	08-14-2002	BASF Aktiengesellschaft		See US 7,015,361
	BT	WO-02/068371	09-06-2002	Celanese Chemicals Europe GmbH		See Abstract
	BU	WO-02/083695	10-24-2002	BASF AG		See US-2004/0110960

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
	CA	d'Oro, Paolo Cavalier et al., "Propene Hydroformylation with Rhodium Carbonyls and Triphenylphosphine", La Chimica et L'Industria 62 (1980), pp. 572-579.				
	CB	Yang, Chao et al., "Kinetics of Hydroformylation of Propylene Using RhC1(CO)(TPPTS)2/TPPTS Complex Catalyst in Aqueous System", Catalysis Today 74 (2002), pp. 111-119.				
	CC	Reinius, H. K. et al., "The Effects of Process Variables in the Hydroformylation of Methyl Methacrylate with the In Situ Formed (o-thiomethylphenyl) diphenylphosphine Rhodium Complex", Journal of Molecular Catalysis A: Chemical 158 (2000), pp. 499-508.				
	CD	Weissermel, Klaus et al., Industrielle Organische Chemie, 5th Ed., Wiley-VCH, 1998, pp. 82-89.				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--